

*Cover:* Industrial pollution threatens the health of populations in all advanced countries. An article beginning on page 3 presents the basic contents of the U.S. Toxic Substances Control and Resource Conservation and Recovery Acts of 1976 and emphasizes the need for cooperation by all segments of society to implement these acts. Shown here is an electronmicrograph (X 9,690) of a lung lesion in a rat that was caused by the herbicide paraquat.



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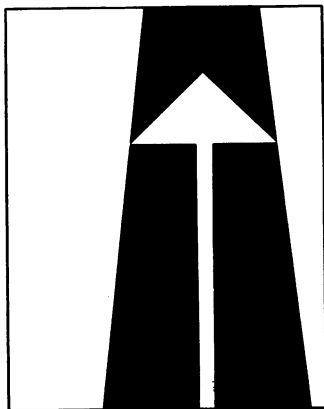
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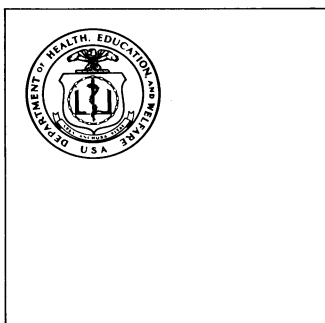
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U.S. DEPARTMENT OF HEALTH,  
 EDUCATION, AND WELFARE  
 Public Health Service  
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■ The Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (ICD) has been revised according to the decisions of the International Conference for the Ninth Revision. The new edition comes into force on January 1, 1979. The alphabetical index, which will form the second volume, is in preparation.

This revision marks a new step in a continuing process whose goal is the international comparability of mortality and morbidity statistics. Beginning in 1893, when the International Institute of Statistics adopted the first International Classification of Causes of Death, this institute made decennial revisions—in 1900, 1909, 1920, 1929, and 1938 (the last two having been the joint responsibility of the Institute and the Health Section of the League of Nations). After 1946 the World Health Organization assumed responsibility for revisions, carrying out the sixth revision in 1948 (which for the first time grouped into a single system the causes of mortality and morbidity) and the seventh in 1955.

Among the major modifications introduced in the ninth revision are dual classifications of some diagnoses, with a primary code for etiology and a secondary one for manifestations; a glossary for mental diseases, which is intended to help in the establishment of comparable psychiatric diagnoses in the different countries using the ICD; the classification of tumors according to morphology; recommendations for the adoption of a new certificate for perinatal mortality; international rules for the classification of causes of morbidity; and a more flexible system of tabulation lists for mortality or morbidity.

Although the structure of the ICD has remained basically the same, the amendments are directed toward greater detail and also reflect changes in medical knowledge. A new rule for the classification of mortality has been added in the ninth revision that will permit the coding of deaths attributable to errors and accidents in medical care. Also, more precise rules are given for coding malignant neoplasms.

For the next decade, the ninth revision will provide the basis for the

classification of diseases, injuries, and causes of death throughout the world and will form part of the essential library of medical statisticians and records officers and of hospitals, health offices, social security administrations, and other agencies compiling morbidity and mortality statistics.

✓ *Manual of the International Statistical Classification of Disease, Injuries, and Causes of Death, Volume 1. XXXIII + 773 pages. \$12. WHO Publications Center, 9 Sheridan Ave., Albany, N.Y. 12210. (Will be published also in French, Spanish, and Russian.)*

## education note

**Program management principles and their application in tuberculosis control.** The Center for Disease Control is offering a 1-week course, "Tuberculosis Today" to improve job performance of program management and training personnel in tuberculosis. Focusing on program management principles and their application in tuberculosis control, the course's emphasis is on defining problems, determining causes, formulating objectives, selecting methods, and evaluating solutions. A special session on solving performance problems is given to persons responsible for training. In addition, sessions to review current clinical knowledge on tuberculosis are held throughout the course.

Small group discussions, led by experienced leaders, enable students to participate actively in the learning process. Since there are no lectures, preparation will be necessary for each class through individual study materials.

A fee for attendance is payable after the applicant is notified of acceptance. All health employees of Federal, State, and local agencies are eligible for waiver of fees for CDC training courses when their training is in the public interest. Such employees need to submit a written request for waiver of fee on their organization's letterhead. The letter should contain a statement that the person or persons for whom the waiver is requested is employed by the organization. Persons

not eligible for waiver under these general conditions should write the Tuberculosis Control Division, Center for Disease Control. The applicant or his employer is responsible for all travel costs and living expenses.

Enrollment is limited to persons responsible for managing or directing tuberculosis control programs or for training health professionals in tuberculosis control programs or infectious diseases. Applications must be received by the Tuberculosis Control Division 2 months before the desired course. Written confirmation of enrollment will be mailed to applicants after enrollment closes.

The courses are approved for 32 credit hours by the American Medical Association. One will be held in Atlanta, Ga., June 12-16, 1978, and another Sept. 18-22, 1978, at a location to be announced later.

Applications submitted by State and local health department personnel must be approved by the State health department and forwarded to the Center for Disease Control through the appropriate DHEW Regional Office. Further information and applications from other personnel should be approved by the appropriate agency chief or supervisor and mailed directly to the Center for Disease Control, Bureau of State Services, Attn.: TB Control Division, Atlanta, Ga. 30333.

## FEDERAL

Health of the Disadvantaged. Chartbook. DHEW Publication No. (HRA) 77-628. September 1977; 98 pages.

Challenges for Children's Mental Health Services. 1977; 131 pages; \$6. The MITRE Corp./METREK Division, Mail Stop W010, 1820 Dolly Madison Blvd., McLean, Va. 22101.

Hospital Regulation. Summary of the Report of the Special Committee on the Regulatory Process. 1977; 26 pages; \$5. Order from Control Dept., American Hospital Association, 840 N. Lake Shore Dr., Chicago, Ill. 60611.

What Do You Know About STD's (Sexually Transmitted Diseases). 1977; 30 cents, discounts for quantities. Keyword Publications, Inc., 17 Oakwood Ave. West Hartford, Conn. 06119.

Nurse-Faculty—1976. Publication No. 19-1650. 1977; 15 pages; \$2.50. Administrator's Handbook for the Structure, Operation, and Expansion of Home Health Agencies. Publication No. 21-1653. 1977; 550 pages; \$25. Associate Degree Education for Nursing—1976-77. Publication No. 23-1309. 1977; 26 pages; 75 cents. Nursing's Role in Patients' Rights. Publication No. 11-1671. 1977; leaflet; single copies free. Preparing the Associate Degree Graduate. Publication No. 23-1661. 1977; 81 pages; \$3.95. Bylaws. Publication No. 11-406. 1977; 24 pages; free. Cultural Dimensions in the Baccalaureate Nursing Curriculum. Publication No. 15-1662. 1977; 108 pages; \$4.95. Data on Home Health Agencies and Community Nursing Services: Findings from the Yearly Review, 1975 and 1976. Publication No. 21-1665. 1977; 48 pages; \$4.25. Students Have Responsibilities As Well As Rights. By Dorothy Ozimek and Helen Yura. Publication No. 15-1666. 1977; 8 pages; \$1.50. Initiating a Master's Degree Program in Nursing: Asking the Essential Questions. By Mary P. Lodge. Publication No. 15-1672. 1977; 17 pages; \$1.95. Writing and Using Behavioral Objectives in Nursing Education. By Joanne K. Griffin. Pub-

lication No. 23-1670. 1977; 10 pages; \$1.95. National League for Nursing, 10 Columbus Circle, New York, N.Y. 10019 (payment must accompany orders of \$10 or less).

Information Officers of the Prescription Drug Industry. 1977; 30 pages. Pharmaceutical Manufacturers Association, 1155-Fifteenth St. NW., Washington, D.C. 20005.

Women and Minorities in Health Fields: A Trend Analysis of College Freshmen. Vol. II of a series prepared by the American Council on Education under a Bureau of Health Manpower contract. DHEW Publication No. (HRA) 77-45. 1977; 236 pages.

Consumer Self-Care in Health. National Center for Health Services Research. Research Proceedings Series. DHEW Publication No. (HRA) 77-3181. August 1977; 40 pages.

Emergency Medical Services Systems Research Projects, 1977. DHEW Publication No. (HRA) 77-3194. September 1977; 141 pages.

Report of State and Local Radiological Health Programs. Fiscal year 1976. By Lois A. Miller. DHEW Publication (FDA) 77-8034. August 1977; 39 pages.

Symposium on Biological Effects and Measurement of Radio Frequency/Microwaves. Proceedings of a conference held in Rockville, Maryland, February 16-18, 1977. Edited by Dewitt G. Hazard. DHEW Publication (FDA) 77-8026. July 1977; 387 pages (Stock No. 017-015-00137-7).

Resource Recovery and Waste Reduction. Fourth report to congress. SW-600. U.S. Environmental Protection Agency. 1977; 142 pages.

Teenage Pregnancy. Everybody's Problem. DHEW Publication No. (HSA) 77-5619. 1977; 10 pages; \$1 (Stock No. 017-026-00063-1).

Analysis of Physician Price and Output Decisions. National Center for Health Services Research, Research Digest Series. By Frank A. Sloan and Bruce

Steinwald. DHEW Publication No. (HRA) 77-3171. August 1977; 17 pages.

Multiplicity Study of Marriages and Births in Israel. DHEW Publication No. (HRA) 1344, Series 2, No. 70. June 1977; 64 pages (Stock No. 017-022-00559-0).

The Cooperative Health Statistics System: Mission and Program. Final report from the Task Force on Definitions to the Cooperative Health Statistics Advisory Committee, August 30, 1976. DHEW Publication No. (HRA) 77-1456, Series 4, No. 10. April 1977; 17 pages (Stock No. 017-022-00554-1).

Persons Hospitalized, by Number of Episodes and Days Hospitalized in a Year, United States, 1972. DHEW Publication No. (HRA) 77-1544, Series 10, No. 117. August 1977; 54 pages (Stock No. 017-022-00571-9).

Hospital and Surgical Insurance Coverage, United States, 1974. DHEW Publication No. (HRA) 77-1545, Series 10, No. 117. August 1977; 48 pages (Stock No. 017-022-00570-1).

Dietary Intake Findings, United States, 1971-1974. DHEW Publication No. (HRA) 77-1647, Series 11, No. 202. July 1977; 74 pages (Stock No. 017-022-00564-6).

Federal publications listed are obtainable from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should be accompanied by check or money order and should identify the publication. (Publications without prices may be obtained from the agency.)

## WORLD HEALTH ORGANIZATION

Lead. Environmental Health Criteria 3. Published under the joint sponsorship of the United Nations Environment Programme and the World Health Organization. (ISBN 92 4 154063 X). 1976; 159 pages; \$6.40; Geneva.

International Agency for Research on Cancer: Annual report 1976. 1976; 159

pages; \$4.80; Lyon, France (also published in French).

Some Miscellaneous Pharmaceutical Substances. IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man. Vol. 13. International Agency for Research on Cancer, Lyon, France, 1977; 256 pages; \$12. Distributed for IARC by WHO.

Asbestos. IARC Monographs on the Evaluation of Carcinogenic Risk to Man. Volume 14. International Agency for Research on Cancer, Lyon, France. 1977; 108 pages; \$6. Distributed for IARC by WHO.

Health Needs of Adolescents. Report of a WHO Expert Committee. WHO Technical Report Series No. 609 (ISBN 92 4 120609 8). 1977; 54 pages; \$2.80; Geneva.

WHO publications may be obtained from Q Corp., 49 Sheridan Ave., Albany, N.Y. 12210.

### NON-FEDERAL

Nursing Education's Accreditation Program. Publication No. 41-1531. National League for Nursing, 10 Columbus Circle, New York, N.Y. 10019.

Acupuncture. Myth or Medical Treatment? By Theodore Berland. Public Affairs Pamphlet No. 548. 1977; 28 pages; 50 cents. Public Affairs Pamphlets, 381 Park South, New York, N.Y. 10016.

Sex Education: The Parent's Role. By Sol Gordon and Irving R. Dickman. Public Affairs Pamphlet No. 549. July 1977; 28 pages; 50 cents. Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.

Military Budgets and Social Needs: Setting World Priorities. By Ruth Leger

Sivard. Public Affairs Pamphlet No. 551. October 1977; 24 pages; 50 cents. Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.

Putting Knowledge to Use: A Distillation of the Literature Regarding Knowledge Transfer and Change. Human Interaction Research Institute in collaboration with National Institute of Mental Health. 1976; 452 pages. Human Interaction Research Institute, Kirkeby Center, Suite 1120, 10899 Wilshire Blvd., Los Angeles, Calif. 90024.

Autopsy: The Memoirs of a Medical Detective. By Milton Helpern with Bernard Knight. 1977; \$10. St. Martin's Press, 175 Fifth Ave., New York, N.Y. 10010.

Health Technology Issues and Activities. AHA catalog No. 175. 1977; 154 pages; \$6.50. American Hospital Association, Department of Order Processing, 840 N. Lake Shore Dr., Chicago, Ill. 60611.

Hospitals in the 1980s. Nine views. 1977; 234 pages; \$18.50. AHA catalog No. 1100. Order Control Dept., American Hospital Association, 840 N. Lake Shore Dr., Chicago, Ill. 60611.

Administrator's Collection. Selected Current Literature for the Health Care Administrator. 1977 edition. Edited by Sandra Masson. 53 pages; \$2. American Hospital Association, 840 N. Lake Shore Dr., Chicago, Ill. 60611. Attn: Order processing.

Perspectives on Medicines in Society. Edited by Albert I. Wertheimer and Patricia J. Bush. 1977; 584 pages; \$25. Drug Intelligence Publications, Inc., Hamilton, Ill. 62341.

Third Supplement to the 1976 Edition of the Accreditation Manual for Hospitals. October 1977; \$4. Publications

Manager, Joint Commission on Accreditation of Hospitals, 875 N. Michigan Ave., Chicago, Ill. 60611.

The Picture of Health. Environmental Sources of Disease. By Erik P. Eckholm. 1977; 245 pages; \$3.95. W. W. Norton & Co., Inc., 500 Fifth Ave., New York, N.Y. 10036.

Family Planning in Rural America: Innovations, Obstacles and Service Delivery Variations. By Jim Reitz. 1977; 179 pages; \$5. Make checks payable to Emory University. Regional Training Center for Family Planning, Rm. 805, Hartford Bldg., 100 Edgewood Ave., N.E., Atlanta, Ga. 30303.

Alcoholism Prevention and Treatment Services in Counties: Report on a National Survey. By Regina D. Adams, Michael L. Benjamin, and Rosalie Berberian and edited by Gilbert M. Kline. 1977; 64 pages; \$2. National Association of Counties Research Foundation, Alcoholism and Alcohol Abuse Program, 1735 New York Ave., NW., Washington, D.C. 20006.

The Third Century: Resource Limits and the Trade-Offs in Developing America's Health Policy. Report of the 1977 National Health Forum. 1977; \$4, discounts for orders of 10 or more copies. National Health Council, 1740 Broadway, New York, N.Y. 10019.

A Vignette on Human Body Growth From Infant to Adult. By Howard V. Meredith. 1977; 16 pages; \$1, overseas \$1.60. College of Health and Physical Education, Solomon Blatt Center, University of South Carolina, Columbia, S.C. 29208.

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